

Abstract

The present invention relates to an instrument for treating amblyopia using automatic frequency conversion laser, comprises a laser generator, a circular lightproof system installed on the output light path and a control circuit, also comprises an angular rotation expander for adjusting height and light path output angle. The angular rotation expander comprises a primary drawtube having a primary lens, set outside of a secondary drawtube having a secondary lens. The primary drawtube is set outside of the secondary lens and can reciprocate along it. A retainer is equipped on the upper position of the secondary drawtube. There is an opening on one side of the primary drawtube for leaving the light out, a reflector is set inside of the primary lens facing the opening. Light outputted by the laser generator is transmitted directly to the secondary lens, and then to the primary lens, and finally is sent out from the opening after reflected by the reflector.